Shuqian Fan

List of Publications by Year
in descending order

11 papers	211 citations	1163117 8 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	130 citing authors

#	Article	IF	Citations
1	Agglomeration-free nanoscale TiC reinforced titanium matrix composites achieved by in-situ laser additive manufacturing. Scripta Materialia, 2020, 187, 310-316.	5.2	50
2	Melt pool boundary extraction and its width prediction from infrared images in selective laser melting. Materials and Design, 2019, 183, 108110.	7.0	42
3	Fabrication of biomimetic anisotropic super-hydrophobic surface with rice leaf-like structures by femtosecond laser. Optical Materials, 2021, 112, 110740.	3.6	30
4	In-situ laser additive manufacturing of Ti6Al4V matrix composites by gasâ€“liquid reaction in dilute nitrogen gas atmospheres. Materials and Design, 2021, 202, 109578.	7.0	25
5	Numerical Analysis of Molten Pool Behavior and Spatter Formation with Evaporation During Selective Laser Melting of 316L Stainless Steel. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 2273-2283.	2.1	15
6	Prediction of powder bed thickness by spatter detection from coaxial optical images in selective laser melting of 316L stainless steel. Materials and Design, 2022, 213, 110301.	7.0	13
7	The Formation of Humps and Ripples During Selective Laser Melting of 316l Stainless Steel. Jom, 2020, 72, 1128-1137.	1.9	12
8	TiC/Ti6Al4V functionally graded composite fabricated by in-situ laser additive manufacturing via gasâ€“liquid reaction. Journal of Alloys and Compounds, 2022, 900, 163406.	5.5	11
9	Thermal Behavior During the Selective Laser Melting Process of Ti-6Al-4V Powder in the Point Exposure Scan Pattern. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 2804-2814.	2.1	6
10	Ti6Al4V matrix composites fabricated by laser powder bed fusion in dilute nitrogen. Materials Science and Technology, 2022, 38, 207-214.	1.6	4
11	Parametric surface and properties defined on parallelogrammic domain. Journal of Computational Design and Engineering, 2014, 1, 27-36.	3.1	3